Performance Data Sheet

AKA4482YXA

General Information

Model	AKA4482YXA	**Refrigerant**	R-134a
Test Condition	ARI	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	CSIR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	6700	6010	5400	4850	4310	3750	3130
	Watts	612	701	757	790	808	819	830
	Amps	9.57	9.99	10.3	10.4	10.5	10.6	10.7
	Lb/h	87.4	81.6	76.9	72.7	68.3	63.1	56.4
25	Btu/h	7500	6770	6140	5560	5000	4430	3800
	Watts	639	731	793	831	855	873	893
	Amps	9.74	10.2	10.5	10.7	10.8	10.9	11.1
	Lb/h	98.0	92.1	87.5	83.6	79.6	74.8	68.7
30	Btu/h	8410	7630	6950	6330	5740	5140	4490
	Watts	665	761	827	871	901	926	954
	Amps	9.89	10.4	10.7	10.9	11.1	11.3	11.4
	Lb/h	110	104	99.4	95.5	91.7	87.3	81.6
35	Btu/h	9410	8570	7830	7160	6530	5890	5200
	Watts	691	791	861	910	947	979	1010
	Amps	10.0	10.5	10.9	11.2	11.4	11.6	11.8
	Lb/h	124	117	113	109	105	101	95.2
40	Btu/h	10500	9600	8800	8070	7370	6680	5950
	Watts	717	821	895	950	992	1030	1070
	Amps	10.2	10.7	11.1	11.4	11.7	11.9	12.3
	Lb/h	139	132	127	123	119	115	110
45	Btu/h	11700	10700	9850	9040	8280	7520	6730
	Watts	744	851	930	990	1040	1080	1140
	Amps	10.3	10.8	11.3	11.7	12.0	12.3	12.7
	Lb/h	156	149	143	139	134	130	125
50	Btu/h	13100	12000	11000	10100	9250	8410	7550
	Watts	773	883	966	1030	1080	1140	1200
	Amps	10.4	11.0	11.5	11.9	12.3	12.7	13.2
	Lb/h	175	167	161	156	151	147	141
55	Btu/h	14600	13300	12200	11200	10300	9360	8410
	Watts	802	916	1000	1070	1130	1190	1260
	Amps	10.5	11.2	11.8	12.2	12.7	13.1	13.7
	Lb/h	196	187	180	174	169	164	159

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.649079E+04	-2.374913E+03	-5.527038E+00	2.200237E+02
C2	9.736102E+01	6.985740E+00	1.071595E-01	8.755292E-01
C3	-2.721628E+02	7.103112E+01	3.468986E-01	-3.984070E+00
C4	3.499798E+00	-4.891703E-02	-1.771413E-03	4.317659E-02
C5	-6.279201E-01	-6.694938E-02	-9.087453E-04	-7.727947E-03
C6	2.003751E+00	-5.514730E-01	-2.680030E-03	3.333045E-02
C7	6.605226E-03	6.322281E-04	7.661718E-06	1.378952E-04
C8	-2.560539E-02	-1.617848E-04	9.724287E-06	-2.978273E-04
C9	6.021351E-03	8.744144E-04	5.139931E-06	1.220068E-04
C10	-6.232147E-03	1.384171E-03	6.807080E-06	-1.109738E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature